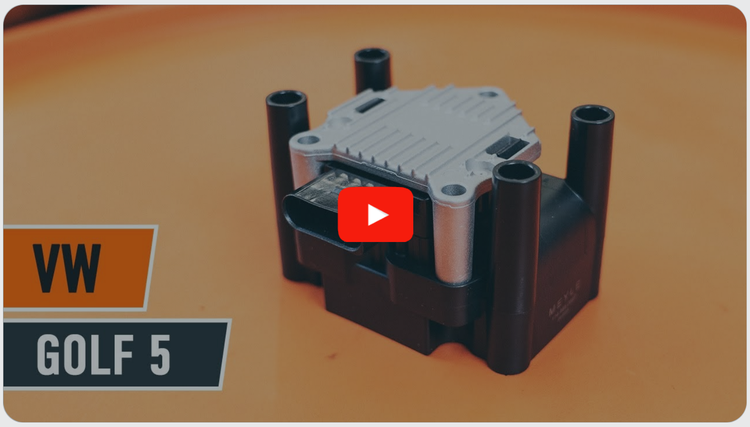
AUTODOC CLUB

How to change ignition coil on **AUDI A3 Sportback (8PA)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

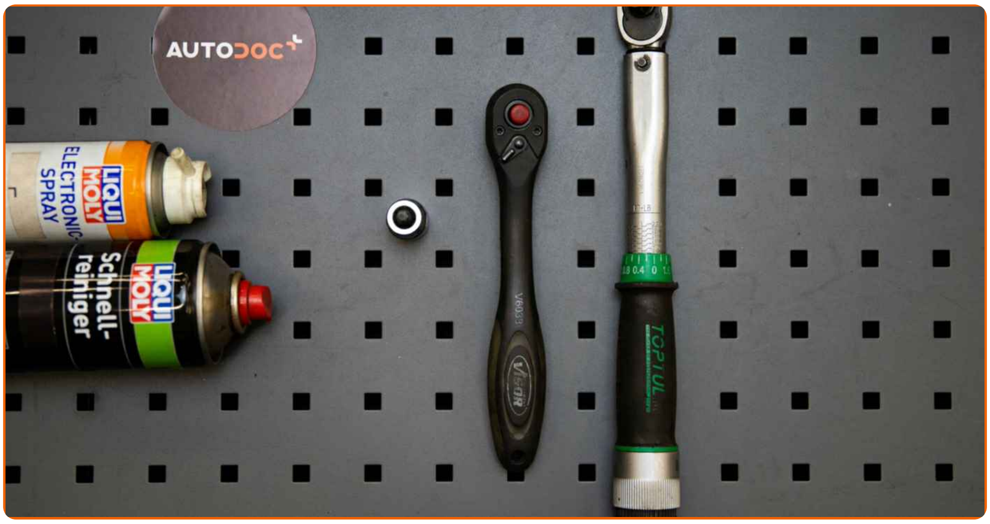
Important!

This replacement procedure can be used for:
AUDI A3 Sportback (8PA) 1.6 E-Power, AUDI A3 Sportback (8PA) 1.6, AUDI A3 Sportback (8PA) 1.2 TSI

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: VW Golf V Hatchback (1K1) 1.6

REPLACEMENT: IGNITION COIL – AUDI A3 SPORTBACK (8PA). LIST OF THE TOOLS YOU'LL NEED:



- Electronic spray
- All-purpose cleaning spray
- Torque wrench
- HEX bit No.H5
- Ratchet wrench
- Fender cover

Buy tools

Replacement: ignition coil – AUDI A3 Sportback (8PA). AUTODOC experts recommend:

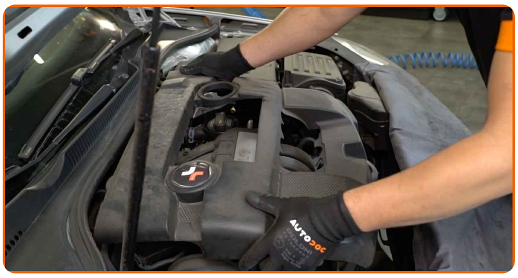
- The replacement procedure is the same for the ignition coils of all cylinders.
- Please note: all work on the car – AUDI A3 Sportback (8PA) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the hood.

2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

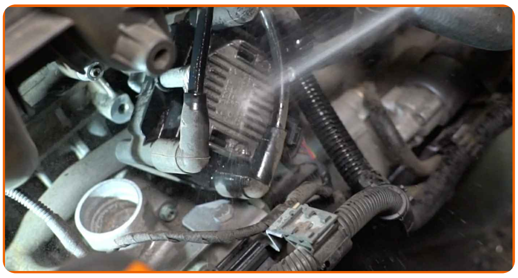
3 Remove the engine cover.



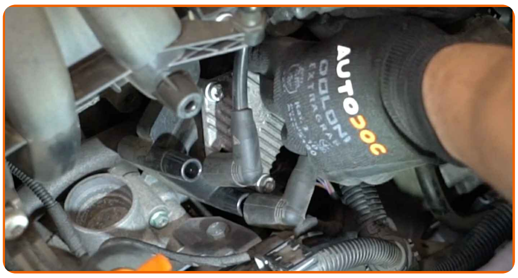
AUTODOC recommends:

- Replacement: ignition coil – AUDI A3 Sportback (8PA). Do not use excessive force when removing the part as this may damage it.

4 Clean the ignition coil bolts. Use all-purpose cleaning spray.



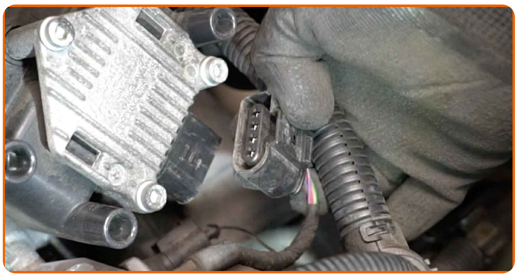
5 Disconnect the spark plug wires from the ignition coil.



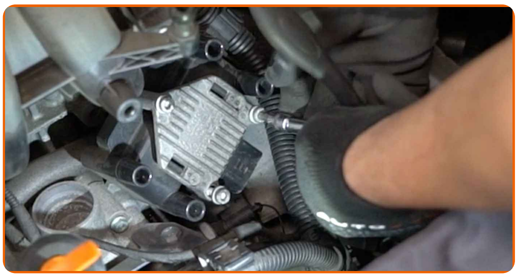
Replacement: ignition coil – AUDI A3 Sportback (8PA). AUTODOC recommends:

- Be careful to avoid damaging spark plug wires.
- Remember the position of the spark plug wires.

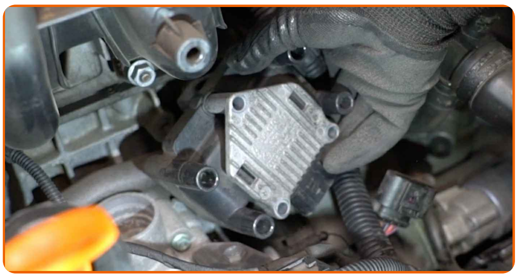
6 Detach the connector from the ignition coil.



7 Unscrew the ignition coil bolts. Use HEX No.H5. Use a ratchet wrench.



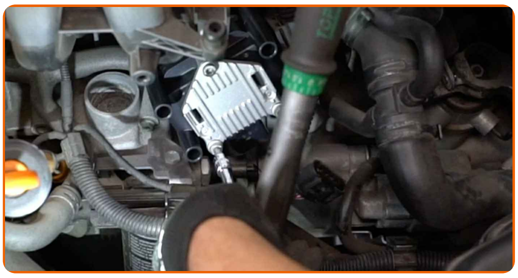
8 Take out the ignition coil from the spark plug well.



9 Install the new ignition coil to the spark plug well.



10 Tighten the ignition coil bolts. Use HEX No.H5. Use a torque wrench. Tighten it to 7 nm torque.



11 Treat the ignition coil connector with electronic spray. The spray will protect the electrical contacts from corrosion, oxidation, and will reduce the contact resistance.



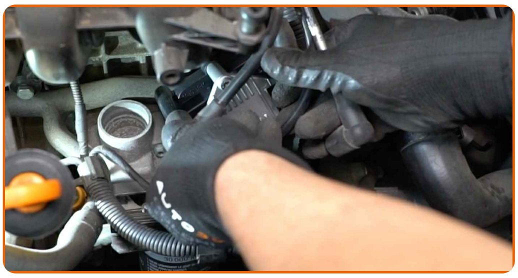
AUTODOC recommends:

- Replacement: ignition coil – AUDI A3 Sportback (8PA). After applying the spray, wait a few minutes.

12 Plug in the ignition coil connector.



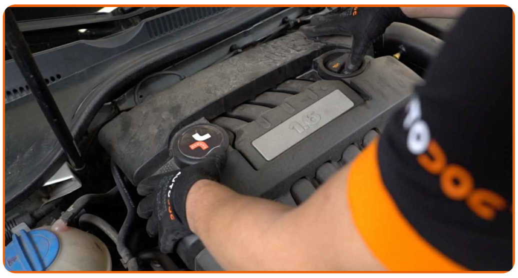
13 Connect the spark plug wires to the ignition coil.



Replacement: ignition coil – AUDI A3 Sportback (8PA). AUTODOC recommends:

- Follow the installation sequence.

14 Install the engine cover and secure it.



AUTODOC recommends:

- Make sure the engine cover is properly seated. It should not be displaced with respect to the guiding fasteners.
- Replacement: ignition coil – AUDI A3 Sportback (8PA). Do not use excessive force during installation. This may damage the part.

15 Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.

16 Shut off the engine.

17 Remove the fender protection cover.

18 Close the hood.

WELL DONE!

VIEW MORE TUTORIALS

AUTODOC — TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

ⓘ DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.